



Substitute House Bill No. 5051

Public Act No. 06-86

AN ACT CONCERNING LUMINAIRES AT STATE AGENCIES.

Be it enacted by the Senate and House of Representatives in General Assembly convened:

Section 1. (NEW) (*Effective July 1, 2006*) (a) As used in this section:

(1) "Fixture" means the assembly that holds a lamp and may include an assembly housing, a mounting bracket or pole socket, a lamp holder, a ballast, a reflector or mirror and a refractor or lens;

(2) "Restricted uplight luminaire" means a luminaire that allows no direct light emissions above a horizontal plane through the luminaire's lowest light-emitting part other than a 0.5 per cent maximum incidental uplight from reflection off mounting hardware;

(3) "Glare" means direct light emitting from a luminaire that causes reduced vision or momentary blindness;

(4) "Illuminance" means the level of light measured at a surface;

(5) "Lamp" means the component of a luminaire that produces the light;

(6) "Light trespass" means light emitted by a luminaire that shines beyond the boundaries of the property on which the luminaire is

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located;

(7) "Lumen" means a unit of measurement of luminous flux;

(8) "Luminaire" means the complete lighting unit, including the lamp and the fixture;

(9) "Permanent outdoor luminaire" means any luminaire or system of luminaires that is outdoors and intended to be used for seven days or longer; and

(10) "State funds" means any bond revenues or any money appropriated or allocated by the General Assembly.

(b) Except as provided in subsection (c) of this section, no state funds shall be used to install or replace a permanent outdoor luminaire for lighting on the grounds of any state building or facility unless (1) the luminaire is designed to maximize energy conservation and to minimize light pollution, glare and light trespass, (2) the luminaire's illuminance is equal to the minimum illuminance adequate for the intended purpose of the lighting, and (3) for a luminaire with a rated output of more than one thousand eight hundred lumens, such luminaire is a restricted uplight luminaire.

(c) The provisions of subdivision (3) of subsection (b) of this section shall not apply to luminaires located on the grounds of any correctional institution or facility administered by the Commissioner of Correction, required by federal regulations, required for storm operation activities performed by the Department of Transportation, required to illuminate either the state flag or the flag of the United States or in a lighting plan for a Department of Transportation facility where less than twenty-five per cent of the luminaires are to be replaced. The Commissioner of Public Works, or the commissioner's designee, may waive the provisions of subdivision (3) of subsection (b) of this section with respect to luminaires on the grounds of any other

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state building or facility when, after a request for such a waiver has been made and reviewed, the commissioner or the commissioner's designee determines that such a waiver is necessary for the lighting application. Requests for such a waiver shall be made to the commissioner or the commissioner's designee in such form as the commissioner shall prescribe and shall include, without limitation, a description of the lighting plan, a description of the efforts that have been made to comply with the provisions of subdivision (3) of subsection (b) of this section and the reasons such a waiver is necessary. In reviewing a request for such a waiver, the commissioner or the commissioner's designee shall consider design safety, costs and other factors deemed appropriate by the commissioner or the commissioner's designee.

(d) The provisions of this section shall not apply to the installation or replacement of luminaires for which the Secretary of the Office of Policy and Management (1) conducts a life-cycle cost analysis of one or more luminaires that meet the requirements set forth in subsection (b) of this section and one or more luminaires that do not meet such requirements, and (2) certifies that a luminaire which meets such requirements is not cost effective and is not the most appropriate alternative based on the life-cycle cost analysis.

Sec. 2. Subsection (d) of section 13a-143d of the general statutes is repealed and the following is substituted in lieu thereof (*Effective July 1, 2006*):

(d) [Any luminaire] All luminaires in violation of any provision of subsection (b) or (c) of this section operating prior to October 1, [2003] 2004, shall be brought into compliance with the requirements in subsection (b) of this section [no later than October 1, 2005] in accordance with the following schedule: Approximately twenty per cent by October 1, 2006, approximately forty per cent by October 1, 2007, approximately sixty per cent by October 1, 2008, approximately

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eighty per cent by October 1, 2009, and one hundred per cent by
October 1, 2010.

Approved May 30, 2006